

INSTALLING THE WORD MANAGEMENT SYSTEM 2.5 SOFTWARE

Word Management System 2.5 replaces Word Management System 2.4. The 2.5 version is completely compatible with the 2.4 version. All documents created under the prior version are compatible.







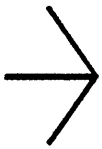







Differences between versions 2.4 and 2.5 are summarized below:

1) The character generator PROM on the Flashwriter II board has been changed in order to make all systems shipped compatible with all systems software. This has changed the following edit symbols: carriage return, insert mode (control-V), quick stop (control-Q), page feed (control-L), delimit (control-D) and superscript/subscript (control-S.) The new symbols are described with the appropriate function description in the text and are illustrated in the chart on the next page.

2) One print format directive has been changed and one has been added to accomodate the BDT 140 sheet feeder. The Form Stop directive has been expanded and the Bottom command has been added. The new functions are fully explained in the text.

Note: It is recommended that you backup your Word Management System 2.5 diskette immediately. This disk can be copied using a CP/M diskette which has the BACKUP utility program. First make sure the serialized diskette has a write-protect tab in place (there should be no square notches around the edge of the diskette.) Depress the RESET button on your computer to return control to the Extended Systems Monitor Executive program. Boot up your CP/M diskette by depressing the B key. After the appropriate banner has been displayed, and, in response to the A> prompt, type BACKUP. The program will lead you through the various steps necessary in order to copy your diskette. Under CP/M, the right hand drive is designated drive A and the left hand drive B. When the diskette copy has been successfully completed, put your original Word Management System diskette away in a safe place. Label the new diskette and use it in your day to day work. The CP/M BACKUP utility program will only work with your system diskette. It cannot be used to backup text (data) diskettes. To backup a text diskette, use the CD control command as explained in Chapter 9.

MEMORITE EDITING SYMBOLS

VERSION 2.4	VERSION 2.4G	
		CURSOR
		RETURN
		SUPERSCRIPIT/SUBSCRIPT (CONTROL S)
		INSERT MODE (CONTROL V)
		PAGE FEED (CONTROL L)
		SET DELIMITER (CONTROL D)
		SET QUICK STOP (CONTROL Q)

INSTALLING THE WORD MANAGEMENT SYSTEM 2.4 SOFTWARE

NOTE TO USERS OF WORD MANAGEMENT SYSTEM 2.3

Word Management System 2.4 replaces Word Management System 2.3. Users of the Word Management System can update to the version 2.4 software and will find all their documents are compatible and the command structure almost identical.

Differences between versions 2.4 and 2.3 of the word management system are summarized below:

- (1) There are configurations of version 2.4 for both 48K and 56K systems. Users of 48K systems do not have to update to 56K in order to use version 2.4, but may do so if desired. The memory size must be specified when ordering.
- (2) In 56K systems, no "CONFIG" PROM's are used. (In 48K systems there will continue to be two CONFIG PROM's on the PROM/RAM board.) Also in 56K systems, a new version of MZOS is used, called MZOSE (for MZOS Extended). This results in a small conversion procedure for users changing from 48K to 56K systems, as explained below in the section entitled "Operating the Software."
- (3) The installation instructions below are different. Make sure you read them carefully before proceeding with installation.
- (4) The process of editing text is considerably faster and smoother. For example, when inserting characters in a long document, the word processor will now be able to keep up with the typist. Also, when the text moves around the screen as a result of a deletion or insertion, the cursor stays at the same location in the text, shifting on the screen along with the text. Further, the user can now type a full 79 characters across the screen.
- (5) If the system is in insert mode, it remains in insert mode when the cursor leaves the line. Either ESC or CV will cancel the insert mode, though ESC should only be used after moving the cursor off the line because otherwise it erases all new material on that line. See Chapter 4 of the Reference Manual.
- (6) There is an auxiliary command for removing all block markers (delimiters) from the text, in response to a widely felt need. While in Auxiliary Command Mode, depress RM [RETURN]. See Chapter 4.

- (7) Search and replace has been improved in several ways. First, you do not have to enter a large number in order to replace ALL occurrences of a string of characters in the text, but only need enter the replaced and replacing strings after the SR. Second, you can replace any string by nothing, by following the SR and said string with two consecutive slashes. Third, when searching, the cursor moves to the beginning of each string that is found successfully. See Chapter 4.
- (9) There are new commands for removing (deleting) a word, a sentence, and a paragraph, and any other section of text ending in a specific character. Put the cursor at the beginning of the string you want to delete, depress OR (causing the cursor to disappear, which can be cancelled with an ESC), and then depress a space to delete to the end of the word, a period to delete to the end of the sentence, a [RETURN] to delete to the end of the paragraph, or any other character in order to delete to the next occurrence of that character. You will find this command eliminates the irritating job of deleting sections of text character by character or line by line. See Chapter 4.
- (10) The Repeat command (former use of OR) and the ability to vary the speed of scrolling have been eliminated from version 2.4, to make space for added features.
- (11) The MLPROG program has been improved with the addition of a search capability, option 5 on the menu. You will find it self-explanatory. Note that when a desired member is found, the program automatically switches to the "change" option, allowing you to alter or view the member's data if desired.
- (12) A command has been added for setting the form length (i.e. the length of a page) if you are using a Sprint 3 printer, since unlike the Sprint 5 or the Diablo 1610, there is no form length dial on the printer. This concept is explained in Chapter 5 and the command itself is described in Chapter 7, Section 16. It is the PS (Page Size) command.

LIST OF ITEMS IN WORD MANAGEMENT SYSTEM 2.4 PACKAGE

- (1) One serialized version 2.4 Word Management System program diskette, either 48K or 56K configuration.
- (2) Demo diskette, number 8 or later, either 48K or 56K configuration.
- (3) Version 2.4 Reference Manual (whole manual or revised pages only.)
- (4) Sheets entitled "Installing the Word Management System 2.4 Software."
- (5) One Character Generator ROM, labelled "EA 8316E182."
- (6) Two PROM's labelled "CONFIG...", only included if you have the 48K configuration of the package.

REQUIRED HARDWARE

The following hardware is required to run the version 2.4 Word Management System software. Order whatever you do not already have.

- (1) Vector Graphic System B, or an equivalent system. A system B consists of a Vector Graphic MZ and a Vector Graphic Mindless Terminal with a Flashwriter II video display board (80 X 24 display.) The version 2.4 Word Management System software will not run in a system using a Flashwriter I board (64 X 16 display). The system can be either a 48K or 56K system, and the software must be ordered accordingly.
- (2) Letter quality printer using Diablo protocol and operating at 1200 baud. Examples are Diablo 1610, Qume Sprint 5, Dataproducts letter quality printer using Diablo protocol, or NEC Spinwriter using Diablo protocol.

Alternately, you can use the Vector Sprint 3 printer, which is a letter quality printer but does not use the Diablo protocol. A System B can be ordered with a Sprint 3 integrated with it, and the system is then called a System B+S3. Or, you can order the Sprint 3 separately and retrofit it to certain existing systems.

GOING FROM A 48K SYSTEM TO A 56K SYSTEM

Though not required in order to use version 2.4 software, you MAY upgrade a system to 56K. To do this, in addition to the 56K configuration of the version 2.4 Word Management System package you must obtain an "Update-56" package, either the "8K-Update-56K" or the "64K-Update-56K," depending on which memory board is used to accomplish it. You should then carry out the Update-56K hardware conversion at the same time you modify the hardware for the version 2.4 Word Management System if possible, to reduce the number of times you have to open the machine and pull boards.

HARDWARE MODIFICATIONS

The following modifications MUST be made before running the version 2.4 Word Management System software on an existing system. They are all essential. Depending on how and when you purchased the system some or all of these changes may already be in place, but check to make sure.

If you have a 48K system that will remain a 48K system, and you have been using Word Management System 2.3 on it, all of the hardware modifications are already done. Simply boot up version 2.4 diskette as you used to boot up the Word Management System 2.3 diskette, and use it.

PROM/RAM board

- (1) This modification ONLY applies to the 48K version of the version 2.4 software. If you are converting to a 56K version of version 2.4, then go to modification number 2.

For the 48K version, in addition to the version 2.4 program diskette, you will receive two "configuration" PROM's: one labelled "CONFIG DISK2" and one labelled "CONFIG xy", where x is a letter and y is a number. If you have already been using Word Management System 2.3, then you do not have to install these PROM's.

However, if this is the first time this system has been used for word processing (from Vector Graphic), and it will remain a 48K system, insert the CONFIG DISK2 at location C400 (position 9 on the Vector Graphic 12K PROM/RAM board.) Then, install CONFIG xy at location CC00 (position 11 on the PROM/RAM board.) Insert these chips so that the labels are readable when the board is facing you and is oriented as it will go in the machine. Do not remove any chips in positions 8 or 10 on the board, unless required by some other conversion procedure taking place concurrently.

- (2) If your system had been running Word Management System 2.3, AND you are converting it to 56K, remove the two CONFIG PROM's from sockets 9 and 11 and discard them.

If you are converting a System B that has already been using the Word Management System, the following modifications to other boards and components are already done. You may skip them and proceed to "Operating the Software." In this case, you may discard the character generator ROM which came with the version 2.4 package.

Flashwriter II board

If you are converting to a 56K system, remember to make the modification to the Flashwriter II board required by the Update-56K conversion.

If you are installing a Flashwriter II and a Mindless Terminal for the first time, instructions for connecting them are found in the Mindless Terminal manual. Then proceed below.

- (3) Before removing the Flashwriter II board, note the orientation of the video cable attached to the molex connector at the top of the board. After removing the board, remove the one or two chips found in sockets U22 and U23 on the right side of the board. If there is a chip in socket U22, but none in U23, then note whether that chip is solid black or has a square gold plate on it. Save the chip(s) taken from U22 and U23 because you may want them in the future in order to generate graphics characters. (The word processing software requires that a different character set, not having any graphics characters, be used in the system.) Also, note whether the Flashwriter II board is Rev. 2 or Rev. 3; (label found in the lower right or left-hand corner of the board).

One character-generator ROM is included with the version 2.4 package. (Refer to the "List of Items in Word Management System 2.4 Package," above, for a physical description of it.) Insert this ROM in socket U22 on the right side of the Flashwriter II board. Install this chip with the notch facing LEFTWARD.

If the Flashwriter II board is Rev. 3, then skip the rest of this step and go to step 4. If the Flashwriter II board is Rev. 2, and the chip removed from socket U22 has a square gold plate on it, then you may also go to step 4. However, if the chip is solid black or if there were chips in both U22 and U23, continue with the following modifications. The location of all these modifications is the upper right-hand corner of the board:

- (a) Unless already done, cut the trace coming from the left side of C14 on the component side of the board. This trace leads to U22-19.
- (b) On the back side of the board, cut the small jumper found between pins U22-19 and U22-20, if there is one present.
- (c) On the back side of the board, cut the trace between pads B-2 and B-4.
- (d) On the back side of the board, install one jumper from B-2, and another jumper from B-3, to the right side of capacitor C-13 (viewing it from the front of the board). The right side of C-13 is Ground.
- (e) On the back side of the board, install a jumper from pad B-4 to U22-19. U22-19 is the pin which has a trace leading to the left side of C14 but cut in step (a) above.

- (4) Jumper the Flashwriter Board II so that it responds to interrupts from the keyboard, as follows: Place a jumper in Area L from pad 1 to 2. Area L is found on the lower left part of the board, just below and between chips U39 and U40.

Mindless Terminal

This modification is only necessary to some early models of the Mindless Terminal. Recent versions are shipped with the keys in the described manner.

No other modifications are now needed for the Mindless Terminal.

- (5) Move the arrow keys on the keyboard so that from top to bottom they are as shown below:



Pry each key off with a screw driver, beginning with the top key, using the key below or to the side as a fulcrum. Sometimes quite a bit of pressure is required. So as not to lose them, remove the springs temporarily after removing each keytop. Then replace each key along with a spring in the above order.

Bitstreamer board

If you are using a serial printer, it must be connected to I/O address 06 and 07. (Since the Sprint 3 printer is not serial, skip to the next paragraph if you are using Sprint 3.) On Bitstreamer II boards, this is channel C, which is always connected by cable to the back panel of the System B mainframe it is installed in. On Bitstreamer I boards, the single serial channel is addressed at 06 and 07 in most System B's it is installed in, and is connected to the back panel by cable. System B's with one or the other of these boards have been shipped this way since approximately the beginning of 1979. However, if the one you are modifying is older, or you have modified the addressing of the Bitstreamer I or II board or the cable connection, refer to the Bitstreamer I or II manual for information on configuring the board and cabling so that you can connect the printer to I/O addresses 06 and 07.

If you are using a Sprint 3 printer as part of a System B+S3 (in other words, integrated with the system at the factory), just connect it as described in the System B and B+S3 Installation, Use, and Maintenance Manual. If you are using a Sprint 3 purchased separately as a retrofit, install and connect it according to the instructions that came with it.

- (6) Set the transmission rate for 1200 baud. On the Bitstreamer I board, this is set on a dipswitch in the upper left-hand corner of the board. On the Bitstreamer II board, find the switch in the upper left-hand corner labelled "Channel C." Having found the switch on either board, press the "1200" rocker in on the side opposite the label "OPEN," and make sure all other rockers are pressed in the other direction.

Printer

- (7) If you are using a Sprint 3, skip this step. If you are using a serial printer, set the printer to operate at 1200 baud, Mark Parity, and Full Duplex. Further, if you are using a Qume Sprint 5, also set AUTO LF to the OFF position, and set TWINTELLECT to the STD position.
- (8) If you are using a Sprint 3 printer as part of a System B+S3 (in other words, integrated with the system at the factory), just connect it as described in the System B and B+S3 Installation, Use, and Maintenance Manual. If you are using a Sprint 3 purchased separately as a retrofit, install and connect it according to the instructions that came with it.

If you are using a serial printer, plug the printer into the RS-232 socket connected to the Bitstreamer board I/O addresses 06 and 07. With a Bitstreamer II board, this is channel C. In recent systems, the appropriate socket is labeled "RS-232C" on the computer's back panel.

OPERATING THE SOFTWARE

To operate the software after the hardware has been modified as required, turn the system on, mount the serialized version 2.4 program diskette in drive 1 (the right-hand drive), then depress B on the keyboard (after the MON> appears on the screen.) As soon as the version 2.4 banner appears on the screen, you can begin typing. Full instructions are found in the Reference Manual.

Note that there are several pages in the Reference Manual, including the title page, which have been amended for the 2.4 edition. If you find these pages placed in a group at the beginning of the Reference Manual, or delivered separately, rather than embedded in the manual, substitute them for the corresponding pages in the manual. Dispose of the replaced pages.

Some of the amendments refer to changes in the software from the 2.3 edition. You will find an accurate description of these new features above, in the section entitled "Note to Users of Word Management System 2.3." This in fact gives everything you need to know about these features.

If you upgraded your system from a 48K to a 56K system, you MUST use the 56K version of the Demo diskette number 8 (or later), when using the mailing list program. This is required because the MZOS on this diskette will work in a 56K system, while the MZOS on your previous Demo diskette works only in a 48K system. The 56K MZOS is called MZOSE. Regardless of what kind of system you are using, the Demo diskette number 8 (or later) has an improved version of the mail list program MLPROG, namely version 4. The upshot is that for every mail list diskette you have which has a copy of MZOS, VBASIC, and MLPROG, you will no longer be able to use the MZOS on these diskettes, and the MLPROG, though usable, is not the best version.

There are two solutions to the above problem. First, whenever you want to use MZOS or MLPROG, you can load MZOSE, VBASIC, and MLPROG from the master Demo disk number 8 (or later), then dismount this diskette and mount any other mailing list diskette. (Procedures are found in Chapter 11 of the Reference Manual.) Alternately, if you want to have MZOSE, VBASIC, and MLPROG on every mailing list diskette, create the necessary number of new mailing list diskettes by copying the master demo diskette onto blank diskettes and then deleting all but these three files. (Use MZOS commands for this purpose - see the Reference Manual, Chapter 11.) Then copy your mailing list files from your old diskettes to the new ones. Note that you cannot simply copy MZOSE and the new MLPROG onto your existing diskettes, because MZOSE must be the first file copied onto a diskette, or it will not work.